Validated By CRFValidator v 1.0.2

Application No: 10524355 Version No: 1.0

Input Set:

Output Set:

Started: 2007-05-23 14:38:19.541
Finished: 2007-05-23 14:38:22.021
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 480 ms
Total Warnings: 1
Total Errors: 0
No. of SeqIDs Defined: 85
Actual SeqID Count: 85

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (85)

SEQUENCE LISTING

<110> ELLIOTT, VICKI S.
KHARE, REENA
EMERLING, BROOKE M.
KABLE, AMY E.
TRAN, UYEN K.
JIN, PEI
BECHA, SHANYA D.
MARQUIS, JOSEPH P
SWARNAKAR, ANITA
CHAWLA, NARINDER K.
RAMKUMAR, JAYALAXMI
HAFALIA, APRIL J.A.
LEE, SOO YEUN
JIANG, XIN
JACKSON, ALAN A.
RICHARDSON, THOMAS W.
BLAKE, JULIE J.
WANG, JONATHAN T.
CHIEN, DAVID
YANG, YONGHONG G.

<120> CELL ADHESION AND EXTRACELLULAR MATRIX PROTEINS

<130> 071949-9301

<140> 10524355
<141> 2007-05-23

<150> 10/524,355
<151> 2005-07-12

<150> PCT/US03/25418
<151> 2003-08-12

<150> 60/403,781
<151> 2002-08-13

<150> 60/407,034
<151> 2002-08-30

<150> 60/410,566
<151> 2002-09-13

<150> 60/413,890
<151> 2002-09-25

<150> 60/413,482
<151> 2002-09-24

<150> 60/424,904
<151> 2002-11-08

<150> 60/426,222
<151> 2002-11-13

<160> 85

<170> PatentIn Ver. 3.3

<210> 1
<211> 1327
<212> PRT
<213> Homo sapiens

<400> 1
Met Glu Gly Asp Arg Val Ala Gly Arg Pro Val Leu Ser Ser Leu Pro
  1   5   10   15

Val Leu Leu Leu Leu Gln Leu Leu Met Leu Arg Ala Ala Ala Leu His
             20   25   30

Pro Asp Glu Leu Phe Pro His Gly Glu Ser Trp Gly Asp Gln Leu Leu
         35   40   45

Gln Glu Gly Asp Asp Glu Ser Ser Ala Val Val Lys Leu Ala Asn Pro
     50   55   60

Leu His Phe Tyr Glu Ala Arg Phe Ser Asn Leu Tyr Val Gly Thr Asn
 65   70   75   80

Gly Ile Ile Ser Thr Gln Asp Phe Pro Arg Glu Thr Gln Tyr Val Asp
                 85   90   95

Tyr Asp Phe Pro Thr Asp Phe Pro Ala Ile Ala Pro Phe Leu Ala Asp
            100   105   110

Ile Asp Thr Ser His Gly Arg Gly Arg Val Leu Tyr Arg Glu Asp Thr
        115   120   125

Ser Pro Ala Val Leu Gly Leu Ala Ala Arg Tyr Val Arg Ala Gly Phe
    130   135   140

Pro Arg Ser Ala Arg Phe Thr Pro Thr His Ala Phe Leu Ala Thr Trp
145   150   155   160

Glu Gln Val Gly Ala Tyr Glu Glu Val Lys Arg Gly Ala Leu Pro Ser
                165   170   175

Gly Glu Leu Asn Thr Phe Gln Ala Val Leu Ala Ser Asp Gly Ser Asp
            180   185   190

Ser Tyr Ala Leu Phe Leu Tyr Pro Ala Asn Gly Leu Gln Phe Leu Gly
        195   200   205

Thr Arg Pro Lys Glu Ser Tyr Asn Val Gln Leu Gln Leu Pro Ala Arg
    210   215   220

Val Gly Phe Cys Arg Gly Glu Ala Asp Asp Leu Lys Ser Glu Gly Pro
225   230   235   240

Tyr Phe Ser Leu Thr Ser Thr Glu Gln Ser Val Lys Asn Leu Tyr Gln
                245   250   255

```
Leu Ser Asn Leu Gly Ile Pro Gly Val Trp Ala Phe His Ile Gly Ser
            260                 265                 270

Thr Ser Pro Leu Asp Asn Val Arg Pro Ala Ala Val Gly Asp Leu Ser
        275                 280                 285

Ala Ala His Ser Ser Val Pro Leu Gly Arg Ser Phe Ser His Ala Thr
    290                 295                 300

Ala Leu Glu Ser Asp Tyr Asn Glu Asp Asn Leu Asp Tyr Tyr Asp Val
305                 310                 315                 320

Asn Glu Glu Glu Ala Glu Tyr Leu Pro Gly Glu Pro Glu Glu Ala Leu
                325                 330                 335

Asn Gly His Ser Ser Ile Asp Val Ser Phe Gln Ser Lys Val Asp Thr
            340                 345                 350

Lys Pro Leu Glu Glu Ser Ser Thr Leu Asp Pro His Thr Lys Glu Gly
        355                 360                 365

Thr Ser Leu Gly Glu Val Gly Gly Pro Asp Leu Lys Gly Gln Val Glu
    370                 375                 380

Pro Trp Asp Glu Arg Glu Thr Arg Ser Pro Ala Pro Pro Glu Val Asp
385                 390                 395                 400

Arg Asp Ser Leu Ala Pro Ser Trp Glu Thr Pro Pro Pro Tyr Pro Glu
                405                 410                 415

Asn Gly Ser Ile Gln Pro Tyr Pro Asp Gly Gly Pro Val Pro Ser Glu
            420                 425                 430

Met Asp Val Pro Pro Ala His Pro Glu Glu Glu Ile Val Leu Arg Ser
        435                 440                 445

Tyr Pro Ala Ser Asp His Thr Thr Pro Leu Ser Arg Gly Thr Tyr Glu
    450                 455                 460

Val Gly Leu Glu Asp Asn Ile Gly Ser Asn Thr Glu Val Phe Thr Tyr
465                 470                 475                 480

Asn Ala Ala Asn Lys Glu Thr Cys Glu His Asn His Arg Gln Cys Ser
                485                 490                 495

Arg His Ala Phe Cys Thr Asp Tyr Ala Thr Gly Phe Cys Cys His Cys
            500                 505                 510

Gln Ser Lys Phe Tyr Gly Asn Gly Lys His Cys Leu Pro Glu Gly Ala
        515                 520                 525

Pro His Arg Val Asn Gly Lys Val Ser Gly His Leu His Val Gly His
    530                 535                 540

Thr Pro Val His Phe Thr Asp Val Asp Leu His Ala Tyr Ile Val Gly
545                 550                 555                 560
```

```
Asn Asp Gly Arg Ala Tyr Thr Ala Ile Ser His Ile Pro Gln Pro Ala
                565                 570                 575

Ala Gln Ala Leu Leu Pro Leu Thr Pro Ile Gly Gly Leu Phe Gly Trp
            580                 585                 590

Leu Phe Ala Leu Glu Lys Pro Gly Ser Glu Asn Gly Phe Ser Leu Ala
        595                 600                 605

Gly Ala Ala Phe Thr His Asp Met Glu Val Thr Phe Tyr Pro Gly Glu
    610                 615                 620

Glu Thr Val Arg Ile Thr Gln Thr Ala Glu Gly Leu Asp Pro Glu Asn
625                 630                 635                 640

Tyr Leu Ser Ile Lys Thr Asn Ile Gln Gly Gln Val Pro Tyr Val Pro
                645                 650                 655

Ala Asn Phe Thr Ala His Ile Ser Pro Tyr Lys Glu Leu Tyr His Tyr
            660                 665                 670

Ser Asp Ser Thr Val Thr Ser Thr Ser Ser Arg Asp Tyr Ser Leu Thr
        675                 680                 685

Phe Gly Ala Ile Asn Gln Thr Trp Ser Tyr Arg Ile His Gln Asn Ile
    690                 695                 700

Thr Tyr Gln Val Cys Arg His Ala Pro Arg His Pro Ser Phe Pro Thr
705                 710                 715                 720

Thr Gln Gln Leu Asn Val Asp Arg Val Phe Ala Leu Tyr Asn Asp Glu
                725                 730                 735

Glu Arg Val Leu Arg Phe Ala Val Thr Asn Gln Ile Gly Pro Val Lys
            740                 745                 750

Glu Asp Ser Asp Pro Thr Pro Val Asn Pro Cys Tyr Asp Gly Ser His
        755                 760                 765

Met Cys Asp Thr Thr Ala Arg Cys His Pro Gly Thr Gly Val Asp Tyr
    770                 775                 780

Thr Cys Glu Cys Ala Ser Gly Tyr Gln Gly Asp Gly Arg Asn Cys Val
785                 790                 795                 800

Asp Glu Asn Glu Cys Ala Thr Gly Phe His Arg Cys Gly Pro Asn Ser
                805                 810                 815

Val Cys Ile Asn Leu Pro Gly Ser Tyr Arg Cys Glu Cys Arg Ser Gly
            820                 825                 830

Tyr Glu Phe Ala Asp Asp Arg His Thr Cys Ile Tyr Val Asp Glu Cys
        835                 840                 845

Ser Glu Asn Arg Cys His Pro Ala Ala Thr Cys Tyr Asn Thr Pro Gly
    850                 855                 860
```

```
Ser Phe Ser Cys Arg Cys Gln Pro Gly Tyr Tyr Gly Asp Gly Phe Gln
865                 870                 875                 880

Cys Ile Pro Asp Ser Thr Ser Ser Leu Thr Pro Cys Glu Gln Gln Gln
                885                 890                 895

Arg His Ala Gln Ala Gln Tyr Ala Tyr Pro Gly Ala Arg Phe His Ile
            900                 905                 910

Pro Gln Cys Asp Glu Gln Gly Asn Phe Leu Pro Leu Gln Cys His Gly
        915                 920                 925

Ser Thr Gly Phe Cys Trp Cys Val Asp Pro Asp Gly His Glu Val Pro
    930                 935                 940

Gly Thr Gln Thr Pro Pro Gly Ser Thr Pro Pro His Cys Gly Pro Ser
945                 950                 955                 960

Pro Glu Pro Thr Gln Arg Pro Pro Thr Ile Cys Glu Arg Trp Arg Glu
                965                 970                 975

Asn Leu Leu Glu His Tyr Gly Gly Thr Pro Arg Asp Asp Gln Tyr Val
            980                 985                 990

Pro Gln Cys Asp Asp Leu Gly His Phe Ile Pro Leu Gln Cys His Gly
        995                1000                1005

Lys Ser Asp Phe Cys Trp Cys Val Asp Lys Asp Gly Arg Glu Val Gln
   1010                1015                1020

Gly Thr Arg Ser Gln Pro Gly Thr Thr Pro Ala Cys Ile Pro Thr Val
1025                1030                1035                1040

Ala Pro Pro Met Val Arg Pro Thr Pro Arg Pro Asp Val Thr Pro Pro
               1045                1050                1055

Ser Val Gly Thr Phe Leu Leu Tyr Thr Gln Gly Gln Gln Ile Gly Tyr
           1060                1065                1070

Leu Pro Leu Asn Gly Thr Arg Leu Gln Lys Asp Ala Ala Lys Thr Leu
       1075                1080                1085

Leu Ser Leu His Gly Ser Ile Ile Val Gly Ile Asp Tyr Asp Cys Arg
   1090                1095                1100

Glu Arg Met Val Tyr Trp Thr Asp Val Ala Gly Arg Thr Ile Ser Arg
1105                1110                1115                1120

Ala Gly Leu Glu Leu Gly Ala Glu Pro Glu Thr Ile Val Asn Ser Gly
               1125                1130                1135

Leu Ile Ser Pro Glu Gly Leu Ala Ile Asp His Ile Arg Arg Thr Met
           1140                1145                1150

Tyr Trp Thr Asp Ser Val Leu Asp Lys Ile Glu Ser Ala Leu Leu Asp
       1155                1160                1165
```

```
Gly Ser Glu Arg Lys Val Leu Phe Tyr Thr Asp Leu Val Asn Pro Arg
   1170                1175                1180

Ala Ile Ala Val Asp Pro Ile Arg Gly Asn Leu Tyr Trp Thr Asp Trp
1185               1190                1195                1200

Asn Arg Glu Ala Pro Lys Ile Glu Thr Ser Ser Leu Asp Gly Glu Asn
               1205                1210                1215

Arg Arg Ile Leu Ile Asn Thr Asp Ile Gly Leu Pro Asn Gly Leu Thr
           1220                1225                1230

Phe Asp Pro Phe Ser Lys Leu Leu Cys Trp Ala Asp Ala Gly Thr Lys
       1235                1240                1245

Lys Leu Glu Cys Thr Leu Pro Asp Gly Thr Gly Arg Arg Val Ile Gln
   1250                1255                1260

Asn Asn Leu Lys Tyr Pro Phe Ser Ile Val Ser Tyr Ala Asp His Phe
1265               1270                1275                1280

Tyr His Thr Asp Trp Arg Arg Asp Gly Val Val Ser Val Asn Lys His
               1285                1290                1295

Ser Gly Gln Phe Thr Asp Glu Tyr Leu Pro Glu Gln Arg Ser His Leu
           1300                1305                1310

Tyr Gly Ile Thr Ala Val Tyr Pro Tyr Cys Pro Thr Gly Arg Lys
       1315                1320                1325
```

<210> 2
<211> 2110
<212> PRT
<213> Homo sapiens

<400> 2

```
Met Gly Ala Met Thr Gln Leu Leu Ala Gly Val Phe Leu Ala Phe Leu
  1               5                  10                  15

Ala Leu Ala Thr Glu Gly Gly Val Leu Lys Lys Val Ile Arg His Lys
             20                  25                  30

Arg Gln Ser Gly Val Asn Ala Thr Leu Pro Glu Glu Asn Gln Pro Val
         35                  40                  45

Val Phe Asn His Val Tyr Asn Ile Lys Leu Pro Val Gly Ser Gln Cys
     50                  55                  60

Ser Val Asp Leu Glu Ser Ala Ser Gly Glu Lys Asp Leu Ala Pro Pro
 65                  70                  75                  80

Ser Glu Pro Ser Glu Ser Phe Gln Glu His Thr Val Asp Gly Glu Asn
                 85                  90                  95

Gln Ile Val Phe Thr His Arg Ile Asn Ile Pro Arg Arg Ala Cys Gly
```

```
            100                 105                 110

Cys Ala Ala Ala Pro Asp Val Lys Glu Leu Leu Ser Arg Leu Glu Glu
        115                 120                 125

Leu Glu Asn Leu Val Ser Ser Leu Arg Glu Gln Cys Thr Ala Gly Ala
    130                 135                 140

Gly Cys Cys Leu Gln Pro Ala Thr Gly Arg Leu Asp Thr Arg Pro Phe
145                 150                 155                 160

Cys Ser Gly Arg Gly Asn Phe Ser Thr Glu Gly Cys Gly Cys Val Cys
                165                 170                 175

Glu Pro Gly Trp Lys Gly Pro Asn Cys Ser Glu Pro Glu Cys Pro Gly
            180                 185                 190

Asn Cys His Leu Arg Gly Arg Cys Ile Asp Gly Gln Cys Ile Cys Asp
        195                 200                 205

Asp Gly Phe Thr Gly Glu Asp Cys Ser Gln Leu Ala Cys Pro Ser Asp
    210                 215                 220

Cys Asn Asp Gln Gly Lys Cys Val Asn Gly Val Cys Ile Cys Phe Glu
225                 230                 235                 240

Gly Tyr Ala Gly Ala Asp Cys Ser Arg Glu Ile Cys Pro Val Pro Cys
                245                 250                 255

Ser Glu Glu His Gly Thr Cys Val Asp Gly Leu Cys Val Cys His Asp
            260                 265                 270

Gly Phe Ala Gly Asp Asp Cys Asn Lys Pro Leu Cys Leu Asn Asn Cys
        275                 280                 285

Tyr Asn Arg Gly Arg Cys Val Glu Asn Glu Cys Val Cys Asp Glu Gly
    290                 295                 300

Phe Thr Gly Glu Asp Cys Ser Glu Leu Ile Cys Pro Asn Asp Cys Phe
305                 310                 315                 320

Asp Arg Gly Arg Cys Ile Asn Gly Thr Cys Tyr Cys Glu Glu Gly Phe
                325                 330                 335

Thr Gly Glu Asp Cys Gly Lys Pro Thr Cys Pro His Ala Cys His Thr
            340                 345                 350

Gln Gly Arg Cys Glu Glu Gly Gln Cys Val Cys Asp Glu Gly Phe Ala
        355                 360                 365

Gly Val Asp Cys Ser Glu Lys Arg Cys Pro Ala Asp Cys His Asn Arg
    370                 375                 380

Gly Arg Cys Val Asp Gly Arg Cys Glu Cys Asp Asp Gly Phe Thr Gly
385                 390                 395                 400

Ala Asp Cys Gly Glu Leu Lys Cys Pro Asn Gly Cys Ser Gly His Gly
```

```
                405                 410                 415

Arg Cys Val Asn Gly Gln Cys Val Cys Asp Glu Gly Tyr Thr Gly Glu
            420                 425                 430

Asp Cys Ser Gln Leu Arg Cys Pro Asn Asp Cys His Ser Arg Gly Arg
        435                 440                 445

Cys Val Glu Gly Lys Cys Val Cys Glu Gln Gly Phe Lys Gly Tyr Asp
    450                 455                 460

Cys Ser Asp Ile Ser Cys Pro Asn Asp Cys His Gln His Gly Arg Cys
465                 470                 475                 480

Val Asn Gly Met Cys Val Cys Asp Asp Gly Tyr Thr Gly Glu Asp Cys
                485                 490                 495

Arg Asp Arg Gln Cys Pro Arg Asp Cys Ser Asn Arg Gly Leu Cys Val
            500                 505                 510

Asp Gly Gln Cys Val Cys Glu Asp Gly Phe Thr Gly Pro Asp Cys Ala
        515                 520                 525

Glu Leu Ser Cys Pro Asn Asp Cys His Gly Arg Gly Arg Cys Val Asn
    530                 535                 540

Gly Gln Cys Val Cys His Glu Gly Phe Met Gly Lys Asp Cys Lys Glu
545                 550                 555                 560

Gln Arg Cys Pro Ser Asp Cys His Gly Gln Gly Arg Cys Val Asp Gly
                565                 570                 575

Gln Cys Ile Cys His Glu Gly Phe Thr Gly Leu Asp Cys Gly Gln His
            580                 585                 590

Ser Cys Pro Ser Asp Cys Asn Asn Leu Gly Gln Cys Val Ser Gly Arg
        595                 600                 605

Cys Ile Cys Asn Glu Gly Tyr Ser Gly Glu Asp Cys Ser Glu Val Ser
    610                 615                 620

Pro Pro Lys Asp Leu Val Val Thr Glu Val Thr Glu Glu Thr Val Asn
625                 630                 635                 640

Leu Ala Trp Asp Asn Glu Met Arg Val Thr Glu Tyr Leu Val Val Tyr
                645                 650                 655

Thr Pro Thr His Glu Gly Gly Leu Glu Met Gln Phe Arg Val Pro Gly
            660                 665                 670

Asp Gln Thr Ser Thr Ile Ile Gln Glu Leu Glu Pro Gly Val Glu Tyr
        675                 680                 685

Phe Ile Arg Val Phe Ala Ile Leu Glu Asn Lys Lys Ser Ile Pro Val
    690                 695                 700

Ser Ala Arg Val Ala Thr Tyr Leu Pro Ala Pro Glu Gly Leu Lys Phe
```

705 710 715 720

Lys Ser Ile Lys Glu Thr Ser Val Glu Val Glu Trp Asp Pro Leu Asp
725 730 735